

Part 573 Safety Recall Report**15E-015****Manufacturer Name :** Agility Fuel Systems**Submission Date :** FEB 27,2015**NHTSA Recall No. :** 15E-015**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Agility Fuel Systems

Address : 1815 E. Carnegie Avenue
Santa Ana CA 92705

Company phone : 949-236-5520

Population :

Number of potentially involved : 600

Estimated percentage with defect : 100

Equipment Information :

Brand / Trade : Agility Fuel Systems, Inc

Model : LNG Fuel System

Part No. : 23811000

Size : NR

Function : NR

Descriptive Information : Agility Fuel Systems liquefied natural gas (LNG) fuel systems identified above equipped with solenoid valves, Model No. 10300094 and 10300265, supplied to Agility by Chart, Inc. and Parker Hannifin Corporation, that have been installed in an “upside down” orientation in heavy-duty vehicles registered in salt-belt states (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, WV, and Washington, D.C.).

Production Dates : OCT 01, 2013 - FEB 27, 2015

Brand / Trade : Agility Fuel Systems, Inc

Model : LNG Fuel System

Part No. : 23812000

Size : NR

Function : NR

Descriptive Information : Agility Fuel Systems liquefied natural gas (LNG) fuel systems identified above equipped with solenoid valves, Model No. 10300094 and 10300265, supplied to Agility by Chart, Inc. and Parker Hannifin Corporation, that have been installed in an “upside down” orientation in heavy-duty vehicles registered in salt-belt states (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, WV, and Washington, D.C.).

Production Dates : OCT 01, 2013 - FEB 27, 2015

Brand / Trade : Agility Fuel Systems, Inc

Model : LNG Fuel System

Part No. : 23813000

Size : NR

Function : NR

Descriptive Information : Agility Fuel Systems liquefied natural gas (LNG) fuel systems identified above equipped with solenoid valves, Model No. 10300094 and 10300265, supplied to Agility by Chart, Inc. and Parker Hannifin Corporation, that have been installed in an "upside down" orientation in heavy-duty vehicles registered in salt-belt states (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, WV, and Washington, D.C.).

Production Dates : OCT 01, 2013 - FEB 27, 2015

Brand / Trade : Agility Fuel Systems, Inc

Model : LNG Fuel System

Part No. : 23821000

Size : NR

Function : NR

Descriptive Information : Agility Fuel Systems liquefied natural gas (LNG) fuel systems identified above equipped with solenoid valves, Model No. 10300094 and 10300265, supplied to Agility by Chart, Inc. and Parker Hannifin Corporation, that have been installed in an "upside down" orientation in heavy-duty vehicles registered in salt-belt states (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, WV, and Washington, D.C.).

Production Dates : OCT 01, 2013 - FEB 27, 2015

Brand / Trade : Agility Fuel Systems, Inc

Model : LNG Fuel System

Part No. : 23822000

Size : NR

Function : NR

Descriptive Information : Agility Fuel Systems liquefied natural gas (LNG) fuel systems identified above equipped with solenoid valves, Model No. 10300094 and 10300265, supplied to Agility by Chart, Inc. and Parker Hannifin Corporation, that have been installed in an "upside down" orientation in heavy-duty vehicles registered in salt-belt states (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, WV, and Washington, D.C.).

Production Dates : OCT 01, 2013 - FEB 27, 2015

Brand / Trade : Agility Fuel Systems, Inc

Model : LNG Fuel System

Part No. : 23820000

Size : NR

Function : NR

Descriptive Information : Agility Fuel Systems liquefied natural gas (LNG) fuel systems identified above equipped with solenoid valves, Model No. 10300094 and 10300265, supplied to Agility by Chart, Inc. and Parker Hannifin Corporation, that have been installed in

an “upside down” orientation in heavy-duty vehicles registered in salt-belt states (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, WV, and Washington, D.C.).

Production Dates : OCT 01, 2013 - FEB 27, 2015

Description of Defect :

Description of the Defect : Chart informed Agility that solenoid valves purchased from Parker from October 2013 through present and supplied by Chart to Agility as part of an LNG “kit,” which Agility incorporates into the LNG fuel systems identified above, may be susceptible to rapid corrosion in this application. At this time, Agility and Chart believe the issue relates to exposure to road salt in cold weather environments, and the parties are continuing to investigate the potential root cause for the solenoid valve failures, and Agility will supplement this notice as appropriate.

Description of the Safety Risk : If corrosion progresses and remains undetected, the solenoid valve coil could fail and stop fuel flow to the engine and cause the vehicle to shut down unexpectedly.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Chart, Inc.

Address : 1300 Airport Drive

Ball Ground GEORGIA 30107

Country : United States

Chronology :

In early January 2015, Agility received an initial report from a fleet customer concerning an unexpected vehicle shutdown. Upon subsequent investigation, Agility concluded that the shutdown was as a result of a failed solenoid valve. Later in January, Agility received eight additional reports of a similar nature.

In early February 2015, in an effort to better understand the root cause of the reported failures, Agility and Chart began inspecting and testing certain vehicles in the field. Since then, Agility, Chart and Parker have been cooperating with one another to test and analyze the potentially defective parts to determine root cause for the failures. These tests are continuing as of the filing of this notice.

On February 20, 2015, although the investigation is continuing, Agility made a safety defect determination.

Description of Remedy :

Description of Remedy Program : Agility is currently working with Chart, Parker and Agility’s customers and certain affected fleet operators to develop a remedy plan, which will include notification to affected customers and owners of vehicles that are registered

in the twenty (20) salt belt States (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, and WV) plus D.C., and replacement or repair of potentially defective solenoid valve coils, free of charge. The final remedy, however will be based on the parties' findings from the ongoing investigations.

All affected products remain under the manufacturer's warranty. Therefore, pursuant to 49 CFR 577.11(e), Agility requests an exemption from the reimbursement plan requirements.

A notification schedule will be provided in supplement to this notice.

As of February 27, 2015, new LNG fuel systems will incorporate a cover to protect the solenoid valve coil from road salt exposure.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Agility will notify customers who are affected within 60 days of this filing.

Planned Dealer Notification Date : APR 20, 2015 - APR 24, 2015

Planned Owner Notification Date : APR 20, 2015 - APR 24, 2015

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported